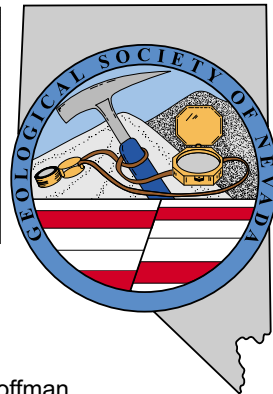


GSN NEWSLETTER



February 2007, Vol. 22, No. 2

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CALENDAR OF GSN EVENTS

**Feb. 13
Tuesday**

WINNEMUCCA CHAPTER MEETING. Speaker: Adam Hoffman. The talk will describe the results of Adam's master's thesis at University of Minnesota, Duluth, completed January, 2007. Title: "Lithostratigraphy, Hydrothermal Alteration and Lithogeochemistry of Neoproterozoic Rocks in the Lower and Soudan Member of the Ely Greenstone Formation, Vermilion District Northeastern Minnesota: Implications for Volcanogenic Massive Sulfide Deposits". Our generous sponsor will be **Dynatec**. The Martin Hotel, W. Railroad and Malarkey Streets. Drinks at 6:30 pm, talk at 7 pm. Contact Ivan Johnston, Chapter President, for more info, 775/635-4292, Ivan.Johnston@Newmont.com.

**Feb. 15
Thursday**

ELKO CHAPTER MEETING. Speaker: Greg Ferdock, CGF Geological Consultants. Title: "Geology of the Mt. Hope Molybdenum Deposit, Eureka County, Nevada". Western Folklife Center, 501 Railroad Street, Elko, NV. Drinks at 6:00 pm, talk at 7:00 pm. Contact Richard Reid, Chapter President, at 775/778-3912, Richard.Reid@newmont.com for more information.

**Feb. 16
Friday**

GSN MEMBERSHIP MEETING. Speaker: Bill Gehlen, Pacific Rim Exploration, Inc. Title: "Volcanic Framework of the El Dorado Gold District, El Salvador: Constraints by Recent Field Mapping and Detailed Argon Geochronology". Reno Elks Lodge, 597 Kumle Ln, Reno, NV. Drinks at 6 pm, dinner at 7 pm (\$17), talk at 8 pm. Contact Laura Ruud for reservations, 775/323-3500, gsn@mines.unr.edu.

**Feb. 24
Saturday**

SO NEVADA CHAPTER FIELD TRIP. This trip will visit the dinosaur tracksites in Warner Valley near St. George, Utah, and at the Johnson Farm site, in St. George. For details, please contact Bruce Hurley, Chapter President at 702/295-1284, rocks2bwh@aol.com.

Geological Society of Nevada, PO Box 13375, Reno, NV 89507 USA, 775/323-3500, www.gsnv.org
Office location: Laxalt Mineral Research Center, Rm 266, UNR. Hours: Mon thru Fri, 1-4 pm

FROM THE PRESIDENT

Ellie Davie Leavitt, *GSN President 2006-2007*

2007 marks the 50th anniversary of the Geological Society of Nevada. As described in a history of GSN by Roger Steininger included in the 2006-7 directory, the first recorded GSN organizational meeting was December 2, 1957, followed by the first formal meeting on December 6 that included a talk and review of literature on Virginia City. People interested in geology were invited to attend. As described by Roger, the first meeting minutes stated that GSN was founded for "the exchange of geologic ideas and concepts, discussion of recent geologic works and review of current literature." Formed pre-Carlins trend, the organization has evolved from a predominantly academic membership to one dominated by members involved with minerals exploration, and since the 1980s, the gold industry. Rather than paraphrase Roger's excellent description of GSN's remarkable history, I would encourage you to read it in the directory. I couldn't help but think of both GSN's history and future as we opened 2007 with a talk on the

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exploration of Mars. Would the founding 44 members have foreseen the nature of geologic and resource exploration as it is today? Can today's 1000 plus members foresee the

continued on page 2



FROM THE PRESIDENT *continued from page 1*

nature of geologic and resource exploration in 2057? For those of us who were beginning our geologic careers before or around the time the first extraterrestrial rock samples were acquired and analyzed, maybe it is possible to imagine how far we'll be in another 50 years. Wendy Calvin's photos and movies of the Mars Rover mission were fantastic and provocative. While the topic may have seemed a departure from the more standard fare, in another 50 years perhaps a GSN member will summarize the next 50 years for the 2056-7 directory, with reference to numerous talks on planetary geology and extraterrestrial resources.

The 2007 opening membership meeting talk by Wendy Calvin on the Mars Rover mission was well attended. Many thanks to Wendy who bravely attended her first GSN meeting, and nonetheless managed to provide fantastic views and a summary of the Rover Mission on Mars. The bar was sponsored by **ALS Chemex**, an ongoing faithful supporter of GSN. As is becoming the norm, students were present in large numbers, thanks to student memberships provided by Geotemps, and dinners provided by the many members who donate to the Student Dinner Fund. We hope to see many students presenting posters of their work at the February membership meeting.

As the days lengthen, but temperatures stay low, many geologists are hoping to snag a drill rig and stay in the field for the rest of the year. Hopefully you'll find time to take a break and attend the meetings, field trips and other social events (in Reno and the Chapters). The newsletter and website will continue to provide schedules of upcoming events. The February membership meeting will host a talk on El Dorado project in El Salvador by Bill Gehlen of Pacific Rim Exploration, Inc. See you there!

GSN SPRING 2007 FIELD TRIP TAKING SHAPE

The GSN'S Spring 2007 Field Trip will take place on Thursday & Friday, April 12-13, 2007. Day one will take us to the Nevada Test Site, including a stop at Yucca Mountain. The second day will be spent visiting additional southern Nevada geology and is still in the planning stages. Details and costs will be described in the March newsletter. Attendees will need to arrive on their own in Las Vegas by Wednesday night, April 11th, as the NTS visit will begin first thing Thursday morning.

Foreign nationals can likely be accommodated, but two months advance notice is required. If you are a foreign national and would like to attend this trip please contact Laura Ruud at the GSN office before February 9.

Join us for another great GSN field trip.

FROM THE GSN BOARD

Richard DeLong, 2005-2008, *Chairman*

The GSN Board of Directors met on November 16, 2006. The primary issues discussed were the status of the GSN Foundation and its management. At the meeting, the Board voted in the slate of directors for the GSN Foundation that were proposed by the Executive Director, Ann Carpenter. The Foundation Board of Directors voted in were Ann Carpenter, Cami Prens, Kel Buchanan, Clancy Wendt, and Caroline Bruno.

In December, the Board received the unfortunate news that Ann Carpenter was resigning as Executive Director of the GSN Foundation due to her level of company responsibilities. The Board wants to make sure that the GSN membership recognizes the years of service that Ann put into the GSN Foundation. We are all very grateful to her for her dedication. As a result, the Board elected Roger Steininger as the new Executive Director of the GSN Foundation in January 2007.

The next Board meeting will be held on February 16, 2007 in Reno. Among other items, the Board will be discussing the next symposium (2010), the nominations of officers and board members for next year, and the audits for the GSN books for the previous fiscal year.

SEG STUDENT CHAPTER FIELD TRIP – ORE DEPOSITS OF AUSTRALIA

The University of Nevada student chapter of the Society of Economic Geologists is planning a trip, led by Dr. Tommy B. Thompson, to eastern Australia and Tasmania, in March, 2007. This trip will be the culmination of two semesters' study of the most important and unique ore deposits in Australia and Tasmania. The trip is in collaboration with CODES in Tasmania as well as James Cook University, and will offer the unrivaled learning experience of visiting these ore deposits and interacting with international colleagues. Professionals are welcome to participate, as this is an invaluable experience to add to their resume. Thanks very much to your support last year, we were able to fund almost all of the total cost of our trip to Northern Chile. Your donations make experiences like this possible. So again... thank you very much and we look forward to your support for the UNR student chapter of SEG again this year. For more information or donations contact: Matt Hastings, President of SEG Student Chapter, UNR: by email at hastin16@unr.nevada.edu or by phone at 775-220-4368.

Thanks to ALS Chemex for hosting the January meeting.

GSN February 16, 2007 Membership Meeting

Date: Friday, February 16, 2007

Time: Social-6:00, Dinner-7:00 (\$17), Meeting-8:00

Reservations: 775/323-3500; fax 323-3599,
e-mail gsn@mines.unr.edu

Deadline: Reserve by 1 pm Thursday, February 15th

Location: Elks Lodge, 597 Kumle Lane, Reno, NV

Directions: Across (W) from the Reno-Sparks Convention Center (S Virginia St), behind the Les Schwab Tire Center

Speaker/topic: Speakers listed below with topic.
See below for abstract.

VOLCANIC FRAMEWORK OF THE EL DORADO GOLD DISTRICT, EL SALVADOR: CONSTRAINTS BY RECENT FIELD MAPPING AND DETAILED ARGON GEOCHRONOLOGY

Mathieu Richer, Richard M. Tosdal,* Thomas Ullrich, *MDRU, UBC*

David R. Ernst, William T. Gehlen, *Pacific Rim Exploration Inc.*

Juan Carlos Varela, Julio C. Olivares Dacic, Rafael Chavarria, Luis Coto, Ruddy Cortez, and Eduardo Alvarado,
Pacific Rim El Salvador S.A. de C.V.

The El Dorado low-sulfidation epithermal Au-Ag vein system, located in northern El Salvador, formed is hosted in Tertiary volcanic and sub-volcanic rocks that accumulated along the Caribbean plate margin in response to the NE subduction of the Cocos plate. The volcanic basement rocks that host vein mineralization in the north and central parts of the district consist of a >400-meters-thick sequence of basaltic to andesitic lava flows and sedimentary rocks. Porphyritic basaltic to andesitic domes and dikes intruded this sequence during the late Miocene (10.7 ± 1.9 Ma; ^{40}Ar - ^{39}Ar plateau age on plagioclase).

Vein formation in the district is poorly constrained between 4.7 ± 0.2 Ma and 4.06 ± 0.29 Ma (K-Ar and ^{40}Ar - ^{39}Ar plateau ages on vein adularia), and preceded a period of widespread felsic volcanism (3.94 ± 0.29 Ma to 3.36 ± 0.49 Ma) based on argon geochronology of rhyolite flows, domes and related pyroclastic rocks that widely crop out in the southern part of the district. In the southwest area of the district, barren to gold anomalous sinters define the paleo-surface of the epithermal vein system, and are intercalated with felsic pyroclastic and sedimentary rocks at the base of the sequence. The onset of felsic volcanism thus appears to mark the waning stage of hydrothermal activity associated with vein formation and mineralization.

The current exposures from north to south in the El Dorado district appear to represent an oblique cross-section through the volcanic and hydrothermal system associated with the low-sulfidation epithermal vein system. North and Central El Dorado, dominant with mafic to intermediate volcanic basement rocks, represent the deeper parts of the volcanic and hydrothermal system. South El Dorado is clearly the shallow level of the epithermal veins system, preserving the surface and shallow sub-surface environments, including the sinters and contemporaneous to post-mineral felsic volcanic rocks. The distribution of volcanic facies along Titiuappa River, defining a east-striking regional fault zone on the extreme south, appears to define the northwestern margin of the Pliocene Rio Titiuappa basin, potentially representing a volcano-tectonic depression that formed during and/or following vein formation.

The Miocene to Pliocene transition in Central America is marked by a trenchward shift in subduction and associated magmatic activity (Weyl, 1980). The volcanic record preserved at El Dorado suggests that the Pliocene magmatic event led to the formation of compositionally evolved, mid- to upper-crustal magma chambers, responsible for felsic volcanic activity at the surface. These magma chambers potentially represented the critical heat engine to the once active hydrothermal system and a possible source of precious metals. Extensive eruptions associated with the evolving magma chamber during the period ~4-3.3 Ma potentially lead to caldera collapse and suppression of the near-surface hydrothermal activity.

ACTIVITY UPDATE

Mike Brady, December 2006
www.activityupdate.com

NEVADA

White Bear Resources Inc. announced that it acquired an option to earn a 60% interest in the Iron Point Property from Miranda Gold Corp. for \$20,000 cash, 200,000 shares and \$2,500,000 in exploration expenditures over 5 years.

Press Release: November 30

Coeur d'Alene Mines Corp. announced that reserves at the Rochester Mine aggregate 10,168,000 tons @ 0.86 opt Ag, 0.011 opt Au proven+probable. *2005 Annual Report*

Great Basin Gold Ltd.(50%) announced that completed work at the Ivanhoe Project now includes 7,045 feet of underground drifting of which 200 feet is along the Gwenivere Vein and 40,300 feet of underground drilling in 112 individual holes. (resource = 717,200 tons @ 1.295 opt Au, 7.03 opt Ag inferred) *Press Release: December 21*

Agnico-Eagle Mines Ltd. announced that it terminated its interest in the BPV-CONO Property of Miranda Gold Corp. due to discouraging exploration results.

Press Release: December 12

Grandview Gold Inc. announced that recent drill results at the Pony Creek Project include 100.6-109.7 meters @ 0.079 opt Au (PC06-06); 38.1-76.2 meters @ 0.002 opt Au (PC06-07); 25.9-30.5 meters @ 0.005 opt Au (PC06-08) and 408.4-498.3 meters @ 0.005 opt Au (PC06-09). (resource = 1,124,000 tons @ 0.057 opt Au inferred)

Press Release: December 20

Copper Canyon Corp. announced that recent drill results at the New York Canyon/Longshot Ridge Project include 20-115 feet @ 0.29% Cu (06-26C); 0-70 feet @ 0.16% Cu (06-27R); 0-185 feet @ 0.53% Cu (06-28R); 10-45 feet @ 0.28% Cu (06-29C); 0-50 feet @ 0.23% Cu (06-30R) and 0-130 feet @ 0.32% Cu (06-31R). (resource = 16,100,000 tons @ 0.55% Cu inferred)

Press Release: December 19

Midway Gold Corp. announced that it offered to acquire Pan-Nevada Gold Corp. through a 1.0 share Midway/4.0 shares Pan-Nevada exchange ratio. (resource @ Pan = 15,875,000 tons @ 0.019 opt Au indicated)

Press Release: December 12

Midway Gold Corp. announced that recent drill results at the Spring Valley/Limerick Basin Project include 229.7-

236.2 meters @ 0.049 opt Au (LM06-05) and 12.2-13.7 meters @ 1.986 opt Au (LM06-07). (project = 10,030,000 tons @ 0.024 opt Au measured+indicated)

Press Release: December 5

Midway Gold Corp. announced that recent drill results at the Spring Valley/West Diatreme Project include 183.7-185.4 meters @ 0.041 opt Au (SV06-213); 73.8-131.2 meters @ 0.024 opt Au (SV06-214); 109.9-111.5 meters @ 0.017 opt Au (SV06-215); 157.5-164 meters @ 0.154 opt Au (SV06-217) and 113.2-144.4 meters @ 0.139 opt Au (SV06-219). (project = 10,030,000 tons @ 0.024 opt Au measured+indicated)

Press Release: December 5

Klondex Mines Ltd. announced that recent drill results at the Fire Creek Project include 1,480-1,490 feet @ 0.146 opt Au (FC0611); 775-783 feet @ 0.191 opt Au (FC0620); 790-825 feet @ 0.714 opt Au (FC0621); 200-370 feet @ 0.043 opt Au (FC0639) and 1,135-1,145 feet @ 0.247 opt Au (FC0632). (resource = 1,760,000 tons @ 0.582 opt Au indicated)

Press Release: December 11

Mill City Gold Corp.(40%) announced that recent drill results at the Eden Project include 995-1,060 feet @ 0.017 opt Au (ED-5); 485-670 feet @ 0.008 opt Au (ED-6) and 650-680 feet @ 0.011 opt Au (ED-7).

Press Release: November 21

Romarco Minerals Inc. announced that recent drill results at the Buckskin-National Project include 1,219.2-1,225.5 feet @ 0.040 opt Au, 6.35 opt Ag (BN-23) and 1,226-1,246 feet @ 0.007 opt Au (BN-24).

Press Release: December 12

US Gold Corp. announced that recent drill results at the Tonkin Project include 15-35 feet @ 0.027 opt Au (8); 370-390 feet @ 0.028 opt Au (11); 50-75 feet @ 0.020 opt Au (12); 359.5-381 feet @ 0.017 opt Au (16); 242-262 feet @ 0.025 opt Au (21); 300-345 feet @ 0.041 opt Au (22); 266.5-310 feet @ 0.088 opt Au (23) and 145-180 feet @ 0.010 opt Au (26). (reserve = 10,637,000 tons @ 0.061 opt Au proven+probable)

Press Release: December 21

GSN MEMBERS' PERSONAL NOTES & NEWS

Career Related Moves

► Paul Tietz has joined the staff of Mine Development Associates in Reno, NV in the position of Project Geologist after working with MDA on a contract basis for the previous 8 months. Congratulations Paul.

Members are encouraged to keep us informed about their own career related moves and awards, and deaths of GSN colleagues. Your information needs to be received by Laura at gsn@mines.unr.edu by the 21st of each month.

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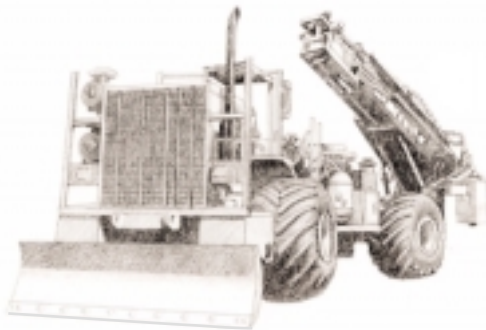
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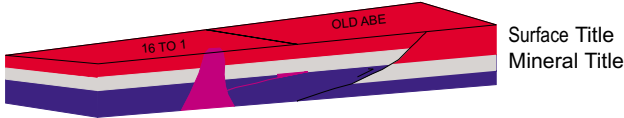
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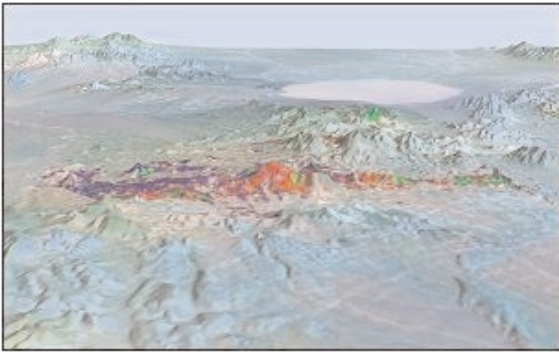
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For an advertising form, call the GSN office at 775/323-3500 or fax 323-3599. Digital or text ads must be received by the 20th of the month to appear in the following month's newsletter.

STUDENT POSTER COMPETITION

February 16, 2007, GSN Membership Meeting, Reno

GSN invites student members to submit posters summarizing their geologic research to GSN for a competition to be held at the general membership meeting, Elks Lodge, Reno, on February 16, 2007. Recommended poster size is 4' x 8' (smaller will be accepted). Review of posters will begin at 6 PM. Abstracts should be submitted by February 9, 2007 to GSN@mines.unr.edu. Cash prizes will be awarded to first and second places. Members interested in judging and anyone interested in sponsoring prizes please contact Ellie Leavitt at zoracdavie@aol.com or Laura Ruud at the GSN office, 775/323-3500.

ELKO CHAPTER FEBRUARY 15th MEETING

GEOLOGY OF THE MT. HOPE MOLYBDENUM DEPOSIT, EUREKA COUNTY, NEVADA

Greg Ferdock, CGF Geological Consultants

The Mt. Hope molybdenite porphyry deposit is located 35 km north of the town of Eureka, Nevada within the old Mt. Hope zinc mining district. The deposit is hosted within the 38 Ma Mt. Hope rhyolite volcanic-intrusive complex and metamorphosed siliciclastic rocks of the Ordovician Vinini Formation. There are at least two lobes of rhyolite-granite at depth with the molybdenite mineralization forming haloes in the shape of inverted tea cups along the contact margins of these intrusions. Where this mineralization overlaps grades increase substantially (to locally in excess of 0.3% molybdenum). A third lobe, at depth, has been inferred from a lone drill hole which intersected high grade mineralization (0.1% to 0.2% molybdenum) on the east side of the deposit.

Alteration is similar to that encountered in many other porphyry systems, a silica rich core, surrounded by potassic and the phyllic alteration. A weak propylitic halo is identified distal and overprinting these alteration phases. Argillic alteration is limited to near surface expressions of the deposit and in some of the structural zones. Structurally the deposit is rather simple with only a few cross-cutting features, and only one with significant offset, the Mt. Hope fault, an arcuate shaped normal fault with approximately 300 meters of normal displacement.

Mining first commenced on the property in the 1870's after zinc ore was discovered on the surface by Basque who where manufacturing charcoal from the local forests for the mines in Eureka. The Mt. Hope mining district was formed and underground operations produced zinc, copper, lead and silver sporadically up until production ceased in 1947. Nearly 9,000 feet of workings were developed in the nearly 70 years of intermittent life of the district. In the late 1970s geologists from Asarco, Phillips and Exxon examined the property and identified it as a potential porphyry deposit. It was extensively drilled in the early 1980s by Exxon, who took it though an EIS but ceased work after collapse of molybdenum prices. The property remained idle until acquired by Idaho General Mines, Incorporated in 2005.

The current owner of the project, Idaho General Mine, incorporated of Spokane, Washington is in the permitting phase of putting the deposit into production in the 4th quarter of 2009 or first quarter of 2010. The company is poised to become a major supplier of TMO by 2010, supplying 10% of the world market. Mine life, at current estimates, is expected to be 53 years at a production rate of 40 kt per day.

The mine plan is based on \$7.00 per pound molybdenum, with production costs at \$4.07 per pound. Capital development costs are currently hovering around the \$500 million mark. Current designs call for the development of a conical pit, 1.5 km in diameter and 1 km deep. Plans call for a sustained labor force of about 250 personnel.

The deposit contains 920 million tons grading 0.069% molybdenum metal or 1.28 billion payable pounds of molybdenum based on 165 drill holes and 230,000 feet of core. At present the ore body is open to the north, northeast, southeast and at depth. There is potential to recover zinc, lead, silver and copper from the property.

GSN ELKO CHAPTER HOLDS SUCCESSFUL FUND-RAISER

The GSN Elko Chapter held a fundraiser at their Christmas meeting on December 15, 2007. Their silent auction of mineral specimens raised \$3,345 for their scholarship fund. Dick Reid, Elko Chapter President, is pictured below distributing a \$1,000 scholarship to Justin Moore, a recent Great Basin College graduate who is planning on going on to UNR next year in Geologic Engineering.

A special "Cave Cake" was baked by the caterer in the theme of the night's presentation given by cave photographer, Kevin Downey. That was a pleasant and unexpected surprise. (See cake photo at www.gsnv.org). All in all they had an extremely successful Christmas dinner meeting and a great time was had by all.



Justin Moore receives the "very large" scholarship check for \$1000 from Elko Chapter President, Richard Reid.

SME ENVIRONMENTAL DIVISION SCHOLARSHIP

The Environmental Division of the SME is seeking donations for their annual silent auction which benefits their scholarship fund. The silent auction of donated items will take place at the SME annual convention in Denver, CO on February 25-28, 2007. Donations of anything of interest to those in the mining industry would be welcome, such as: nice mineral specimens, mining artifacts, rare books, etc. Please call 775/787-1300 for pick up in Reno, or mail donations to: Mark Stock, Chair, SME Environmental Division Scholarship, 561 Keystone, #200, Reno, NV 89503.

Thank you!

UPCOMING EVENTS

Feb 1, Thursday — NV Petroleum Society. Speaker: Dave Seneshen, Direct Geochemical. Title: Surface Geochemical Expression of Great Basin Hydrocarbon Reservoirs. Austin's Restaurant, 7671 South Virginia St, Reno, cocktails at 6:30 pm. Dinner at 7:00 pm (\$17 for members; \$19 for non-members). Reservations required; for further information, please contact Sam Limerick at shlimerick@charter.net or 775/825-0640.

Feb 6, Tuesday — Arizona Geological Society Dinner Meeting. David John, USGS. Topic: Hydrothermal Alteration - Cascade Volcanoes. Inn Suites Hotel: 475 N. Granada Ave., Tucson, AZ. Call 520/663-5295 for reservations.

Feb 13, Tuesday — WINNEMUCCA CHAPTER MEETING. Speaker: Adam Hoffman. The talk will describe the results of Adam's master's thesis at University of Minnesota, Duluth, completed January, 2007. Title: "Lithostratigraphy, Hydrothermal Alteration and Lithogeochemistry of Neoproterozoic Rocks in the Lower and Soudan Member of the Ely Greenstone Formation, Vermilion District Northeastern Minnesota: Implications for Volcanogenic Massive Sulfide Deposits". Our generous sponsor will be Dynatec. The Martin Hotel, W. Railroad and Melarkey Streets. Drinks at 6:30 pm, talk at 7 pm. Contact Ivan Johnston, Chapter President, for more info, 775/635-4292, Ivan.Johnston@Newmont.com.

Feb 15, Thursday — ELKO CHAPTER MEETING. Speaker and topic – to be announced. Western Folklife Center, 501 Railroad Street, Elko, NV. Drinks at 6:00 pm, talk at 7:00 pm. Contact Richard Reid, Chapter President, at 775/778-3912, Richard.Reid@newmont.com for more information.

Feb 16, Friday – Seminar in Economic Geology. Speaker: Peter Vikre, USGS, Reno Field Office. Title: "Magmatic-Hydrothermal Transition at Goldfield, NV". University of Nevada, Reno, LMR-353, 3 pm.

Feb 16, Friday — GSN MEMBERSHIP MEETING. Speaker: William T. Gehlen, Pacific Rim Exploration, Inc. Title: "Volcanic Framework of the El Dorado Gold District, El Salvador: Constraints by Recent Field Mapping and Detailed Argon Geochronology". Reno Elks Lodge, 597 Kumle Ln, Reno, NV. Drinks at 6 pm, dinner at 7 pm (\$17), talk at 8 pm. Contact Laura Ruud at 775/323-3500, gsn@mines.unr.edu for reservations.

Feb 24 — SO NEVADA CHAPTER FIELD TRIP. This trip will visit the dinosaur tracksites in Warner Valley near St. George, Utah, and at the Johnson Farm site, in St. George. For details, please contact Bruce Hurley, Chapter President at 702/295-1284, rocks2bwh@aol.com.

Feb 25-27 — 2007 SME Annual Meeting & Exhibit and 109th CO Mining Association's National Western Mining Conference, Colorado Convention Center, Denver, Colorado. Register online at www.smenet.org or contact SME Conference Registration @ 1-800-915-0618.

Mar 4-7 – Prospectors and Developers Association of Canada International Convention, Metro Toronto Convention Centre,

255 Front St., Toronto, Canada. For registration go to www.pdac.ca or fax form to 905-463-1854. Come visit us at the GSN Booth #938!

Apr 12-13, Thursday & Friday — GSN Spring 2007 Field Trip: Nevada Test Site and Yucca Mountain. Details and cost to be determined. Contact Laura Ruud at the GSN office to reserve a spot.

ORE MICROSCOPY

A Short Course at the Colorado School of Mines March 20-22, 2007

This course presents the fundamental methods and procedures of identification and textural interpretation of ore minerals, using polished thin sections and reflected light microscopy. Some of the topics included in the course will be: practical use of the reflecting microscope; identification of 40-45 common ore minerals; a review of representative ore mineral suites from North America including Stillwater chromite, MT, Porphyry copper, Bingham UT and Santa Rita NM, Homestake gold, SD and others. Participants will receive a Course Manual that includes descriptive ore mineralogy, colored photomicrographs, references and literature.

The course is being taught by Dr. John Lufkin, who has 35 years of experience in consulting, industry, and academia. Class will meet each day from 9 am - 5 pm. The course fee is \$995 or \$500 for full-time students. For information on the course, contact John Lufkin at lufk3@comcast.net, 303-284-2646. To register for the course contact CSM Continuing Education at 303-273-3321, space@mines.edu.

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Edward M. MacKevett Jr. Obituary

Edward M. MacKevett Jr., better known as "Tigrone" to his friends and family, died peacefully December 29, 2006, in Reno Nevada.

Born in New York City September 29, 1918 to Edward and Josephine MacKevett, Ed was the oldest of two boys. He and his brother Nat grew up as adventuresome lads living in New Jersey and Florida before finally settling in California. Both boys dropped out of school during the Depression and moved to Miami Beach to live with their grandmother. They made a dollar a day fishing and learned about perseverance and hard work. At age 14, Ed got very ill with Dengue Fever. But he was strong willed - when he recovered he hitched the rails to California to live with his mother.

Ed graduated from University High School in Los Angeles in 1938. He attended UCLA and went on to graduate school at Cal Tech where he earned his MS in Geology. While attending university, Ed was on the boxing team. In graduate school, he played football. Later in life, his opponents on the handball court were often surprised by his lightening fast boxer's hands and his consistent success - even against much younger Stanford football players!

Ed's university education was interrupted by World War II; he joined the U.S. Navy and his meticulous nature served him well as the ship's store keeper. He participated in the war in the Aleutians, the first of his many trips to Alaska.

Geologic field work and understanding the Earth were Ed's life long passions. He worked in Costa Rica, Nevada, and California but mainly in Alaska with the U. S. Geological Survey. He was an expert field geologist, whose crowning legacy was the geologic mapping of the Wrangell Mountains in Alaska. While working in the Wrangells, Ed extensively studied the world class Kennecott copper deposits and developed a modern and comprehensive interpretation of their origin. The Wrangells and Ed had a special relationship and he will always be known for his outstanding work there.

Ed was an economic geologist and his work on mineral deposits was not restricted to the Wrangell Mountains. He worked in many parts of Alaska where he was noted for his very professional, thorough publications done in notably short order upon his return from long summer field seasons. He studied mercury deposits in southwestern Alaska and the Red Devil Mine; copper deposits near Sumdum and the rare-earth and uranium deposits at Bokan Mountain in southeastern Alaska; he was party chief for the geology and mineral deposit studies of the then largely unknown Glacier Bay National Monument; and he completed a synthesis of all the mineral deposits in south-central Alaska. Ed's many excellent professional contributions and his influence on other geologists stand as a model of a geologist serving his country.

Ed was a man of many interests. Sundays were reserved for sports and he was known to bet on his favorite team (and usually won). Fishing was a lifelong passion, and



he fished the Atlantic Coast from New York to Miami, and the Pacific Coast from Baja, California to the Kenai River in Alaska. He never met a fish he didn't like. Ed was an archive of information about birds and butterflies. He could name them in Latin and relate their habits from memory. In the evenings, he liked to play the harmonica while listening to Mariachi music. One of his favorite pastimes was playing poker so that he could use the considerable expertise acquired in the Navy to joyfully fleece his friends.

Ed met his wife Eddie in the early 1950's in San Francisco and they had a daughter, Patricia. They later divorced, and Ed married his second wife Betty in 1968. They shared a wonderful life in Mountain View, California with their many friends in the U.S. Geological Survey.

After retirement, Ed and Betty moved to Morro Bay, where fishing and farming were at their doorstep. They later moved to San Luis Obispo and Rohnert Park, closer to Betty's family and grandchildren. Ed and Betty were very happy together, and they took loving care of each other until Betty's death in 1999.

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Edward M. MacKevett Jr. *(continued on from 10)*

Ed moved to Carson City in 2000. He loved the mountains, geology, and the changing seasons of Nevada. He also was close to Reno where many of his mining geologist friends lived and where he was often sought as a consultant to evaluate mineral deposits. His home was a gathering place for many holiday and weekend dinners as well as memorable parties with neighbors and visiting friends from the geology and mining community. It was here that Ed met a neighbor, Barbara Burrows, who taught Ed that you are never too old to dance! Together they enjoyed several years of travel, sharing their families, and watching over each other until Barbara's death in 2006.

Ed was a steadfast friend. You could always depend on him. He never criticized or judged people. He was honest, sincere, and always humble, never talking about himself or his many achievements. Ed wanted the best for people, and in turn, people wanted the best for him. Ed was special and we who knew him were privileged to call him a friend. We will miss him.

Ed leaves behind his daughter from his first marriage, Patricia MacKevett of Las Vegas, NV; brother Nat MacKevett and sister-in-law Kelly of Bakersfield, CA; niece Paula York of Sevierville, TN; niece Leslie Hooper of Houston, TX; nephew Doug MacKevett of Switzerland; step-son Ed Besse of Novato, CA; step-daughter-in-law Carolyn Besse of Santa Rosa; and step-daughter Patty Nowland of Longmont, CO. He was very proud of his five grandchildren and two great grandchildren.

In his memory, contributions can be made to the Salvation Army. A memorial in his honor will be held in Carson City, NV in the spring.

NV BUREAU OF MINES & GEOLOGY GETS NEW PHONE #'S

On January 13-15, 2007 the University of Nevada, Reno installed a new, campus-wide phone system. Every phone on campus was replaced and many phone numbers were changed to accommodate the new system. Rather than having one departmental phone with extensions, every employee will now have their own phone number that can be dialed direct. In the NBMG's case, they have retained their main number 775-784-6691 where you can still type in a name and it will give you the new extension. If you would like the direct numbers for the people you are contacting at the Bureau, you can go to their website: www.nbmgs.unr.edu and click on the staff directory link. Note that the new numbers start with 682-XXXX. For other departments, if the employee previously had a 784-XXXX number wired into their office alone then that number hasn't changed. Many of the geology and mining professors will retain their numbers but you can check the UNR website: www.unr.edu and click on Directories if you need to find a new #.

The GSN phone lines were not affected (except they did inadvertently cut the GSN Fax line for 10 days if any of you were trying to send a fax!). I believe the USGS phone numbers also remain the same.

GSN & MACKAY STUDENTS HONORED AT SCHOLARSHIP LUNCHEON

In late November, the UNR College of Science Scholarship Luncheon was held in honor of all scholarship donors and recipients of scholarships. Two deserving students enrolled at the Mackay School of Earth Sciences and Engineering at the University of Nevada, Reno, were recognized as recipients of 2006-2007 Geological Society of Nevada scholarships. Erin Doerr is a senior and Miles Kreidler is a freshman both in the UNR Department of Geological Sciences and Engineering. These students were chosen by the Mackay Scholarship Committee based on their high academic achievement.

GSN was recognized at the Scholarship Luncheon as one of the Mackay donors that help make it possible for students to attend the MSESE. Your donations to the GSN Foundation continue to fund these scholarships along with the K-12 Field Trip program and an annual scholarship to UNLV as well.



Erin Doerr and Miles Kreidler (pictured w/GSN President, Ellie Leavitt) join the College of Science in thanking GSN for their scholarships.

Visit our website at
www.gsnv.org

GEOLOGICAL SOCIETY OF NEVADA



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